RN0078
Release note

STM32 ST-LINK Utility release 3.0

About this release note

This release note contains information about the latest version of the STM32 ST-LINK Utility software:

- New features
- Improvements
- Program corrections
- Known problems in current version

Table 1. Applicable tools

Type	Part number
Development tools	ST-LINK, ST-LINK/V2

New features

Version 3.0

- Added support of custom loader for external memory.
- Displayed Printf data sent via SWO
- Added "File compare to device memory" feature in the CLI mode.

Version 2.5

- Added support of STM32F42x/STM32F43x series Cortex™-M4
- Added support of drag-and-drop file opening
- Added HotPlug Connect feature (Connect to target without halt or reset)
- Added Context Menu and Edit Menu for Cut/Copy/Paste/Delete operation on file and device memory
- Added support of Memory LiveUpdate feature
- Added support of Find data feature (find in ASCII and HEX)
- Added support of Fill Memory feature (fill with Byte, Word or DoubleWord in file and device memory).

Version 2.4

- Added support of STM32 F3 series Cortex™-M4.
- Added support of STM32L medium density plus Cortex™-M3.
- Added support of STM32F050 Entry-level Cortex™-M0 microcontrollers.
- Comparison between two files (Hex, SREC or Bin files).
- Support of "Reset after programming" option.

Version 2.3

- Added support of STM32 F4 series Cortex™-M4 revision Z.
- Added support of STM32L Cortex™-M3 EEPROM data memory programming.
- Added support of STM32 F0 series Entry-level Cortex™-M0 microcontrollers.
- Save file in Intel Hex and Motorola S-record file format.
- Address TextBox replaced by a ComboBox with history saving.

Version 2.2

- Added support of STM32 F4 series of high-performance microcontrollers with DSP and FPU instructions.
- Added support of STM32W 32-bit RF microcontrollers.
- Added support of “Connect under reset” option.
- Flash modification via GUI and CLI commands.
- Added support of hardware reset in CLI mode.

Version 2.1

- ST-LINK/V2 support.
- Added support for STM32 F2 series microcontroller programming modes.
- Connected MCU revision ID Display.
- ST-LINK and ST-LINK/V2 firmware upgrade to V1J12S3 and V2J14S3, respectively.

Version 2.0

- Support of Intel Hex file and Motorola S-record file format.
- Command line interface.
- Automatic Mode: Programming and configuring STM32 devices in loop.
- Flash memory Blank Check.
- Compare the contents of the Flash memory with files.
- ST-LINK firmware upgrade to V1J11S3.

Version 1.3

- Added support for STM32 L1 ultralow power 32-bit microcontroller devices.
- Added support for STM32 F2 series microcontroller devices.

Version 1.2

- Added support of XL-density devices.

Version 1.1

- Added support of Serial Wire Debug (SWD) interface.

Version 1.0

- Initial release.

Improvements

Version 3.0

- Optimization of STM32 internal Flash memory programming and verification.

Version 2.5

- Enhancement of device memory modification from the memory grid.

Version 2.4

- Enhanced display of File/Flash comparison.

Version 2.3

- Added Tooltip in the option bytes window.
- Enable/Disable progress bar display in ST-LINK CLI (STM32 ST-LINK Utility command line interface).
- Added support of programming at unaligned addresses.
- Different error codes return for each type of problem in CLI mode.
- “Connect under reset” option is now available in JTAG mode.

Version 2.2

- -w8 and -w32 CLI commands are able to program Flash memory.
- The Flash memory can be modified from the GUI even when it is not erased.

Version 2.1

- Automatic MCU voltage check with ST-LINK/V2.

Version 2.0

- Faster switch between device memory display and file display.
- Connection management enhancement.
- Core status displayed in the MCU Core window.

Version 1.3

- Flash mass erase and Option bytes programming progress display.

Version 1.2

- Connection management enhancement.

Version 1.1

- Connection error management enhancement.
- Debug interface and connection status display.

Version 1.0

- Initial release.

Program corrections

Version 3.0

- BFB2 bit is forced to ‘1’ on all STM32L15xxC devices when programming the option byte.

Version 2.5

- None.

Version 2.4

- Fix STM32W108CC WRP granularity.
- Fix loading Hex file adjacent segments.
- Display R0 register in Core window.

Version 2.3

- CLI return code issue fixed.

Version 2.2

- None.

Version 2.1

- Binary file save issue resolved with Windows7.

Version 2.0

- Flash size is ignored for STM32 F2 series 32-bit microcontroller devices.

Version 1.3

- None.

Version 1.2

- None.

Version 1.1

- Corrected “STM32 ST-LINK Utility user manual.pdf” name format at start Menu.

Version 1.0

- Initial release.

Known problems in current version

None.

Customer support

Software released previously is documented internally and available upon request.

For more information, see the *STM32 ST-LINK utility user manual (UM0892)* and visit our website at *www.st.com*.

Revision history

Table 2. Document revision history

Date	Product Revision	Document Revision	Changes
01-Aug-2011	2.1	1	Initial release.
18-Oct-2011	2.2	2	Added *Version 2.2* with support of STM32 F4 and STM32W series and attributes in *New features* and *Improvements*.
11-May-2012	2.3	3	Added *Table 1: Applicable tools*. Added *Version 2.4* with support of STM32 F0 series and attributes in *Section : New features* and *Section : Improvements*.
29-May-2012	2.3	4	Updated *Section : New features*, *Section : Improvements* and *Section : Known problems in current version*.
05-Oct-2012	2.4	5	Updated *Section : New features*, *Section : Improvements* and *Section : Program corrections*.

Table 2. Document revision history (continued)

Date	Product Revision	Document Revision	Changes
11-Jan-2013	2.5	6	Updated *Section : New features*, *Section : Improvements* , *Section* and *Section : Known problems in current version*.
29-Apr-2013	3.0	7	Updated disclaimer. Added information related to ST-LINK release 3.0 in *Section : New features*, *Section : Improvements* , and *Section : Program corrections*.

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